

USH 151: CTH G TO CTH S (DODGE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH G - CTH S	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	57	0.0	3	0.0	1500	57	0	3	0.50	0	63.8	59.4	41.8	24.8	24.8
1-2 AM	40	0.0	2	0.0	1500	40	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
2-3 AM	36	0.0	2	0.0	1500	36	0	2	0.50	0	63.8	59.5	41.9	24.8	24.8
3-4 AM	47	0.0	3	0.0	1500	47	0	3	0.50	0	63.8	59.4	41.9	24.8	24.8
4-5 AM	72	0.0	4	0.0	1500	72	0	4	0.51	0	63.8	59.4	41.7	24.8	24.8
5-6 AM	130	0.0	9	0.0	1500	130	0	9	0.51	0	63.7	59.2	41.5	24.8	24.8
6-7 AM	185	0.0	12	0.0	1500	185	0	12	0.52	0	63.5	59.1	41.4	24.8	24.8
7-8 AM	452	0.0	30	0.0	1500	452	0	30	0.54	0	63.0	58.5	40.4	24.6	24.6
8-9 AM	713	0.0	46	0.0	1500	713	0	46	0.57	0	62.6	57.9	39.6	24.5	24.5
9-10 AM	688	0.0	45	0.0	1500	688	0	45	0.56	0	62.6	57.9	39.7	24.5	24.5
10-11 AM	709	0.0	46	0.0	1500	709	0	46	0.57	0	62.6	57.9	39.6	24.5	24.5
11A-NOON	697	0.0	45	0.0	1500	697	0	45	0.56	0	62.6	57.9	39.7	24.5	24.5
NOON-1PM	729	0.0	47	0.0	1500	729	0	47	0.57	0	62.5	57.9	39.6	24.5	24.5
1-2 PM	770	0.0	51	0.0	1500	770	0	51	0.57	0	62.5	57.8	39.4	24.5	24.5
2-3 PM	819	0.0	54	0.0	1500	819	0	54	0.58	0	62.3	57.6	39.2	24.4	24.4
3-4 PM	837	0.0	55	0.0	1500	837	0	55	0.58	0	62.3	57.6	39.2	24.4	24.4
4-5 PM	721	0.0	47	0.0	1500	721	0	47	0.57	0	62.5	57.9	39.6	24.5	24.5
5-6 PM	528	0.0	35	0.0	1500	528	0	35	0.55	0	62.9	58.3	40.2	24.6	24.6
6-7 PM	425	0.0	28	0.0	1500	425	0	28	0.54	0	63.1	58.6	40.6	24.7	24.7
7-8 PM	323	0.0	22	0.0	1500	323	0	22	0.53	0	63.3	58.8	40.9	24.7	24.7
8-9 PM	274	0.0	18	0.0	1500	274	0	18	0.52	0	63.4	58.9	41.0	24.7	24.7
9-10 PM	203	0.0	13	0.0	1500	203	0	13	0.52	0	63.5	59.1	41.3	24.7	24.7
10-11 PM	142	0.0	10	0.0	1500	142	0	10	0.51	0	63.7	59.2	41.5	24.8	24.8
11PM-MID	97	0.0	6	0.0	1500	97	0	6	0.51	0	63.7	59.3	41.7	24.8	24.8

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0117
MAIN ROUTE WITH WORKS	0.0127
DIVERSION	0.0063

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,386
CONGESTED HOURS PER DAY*	0

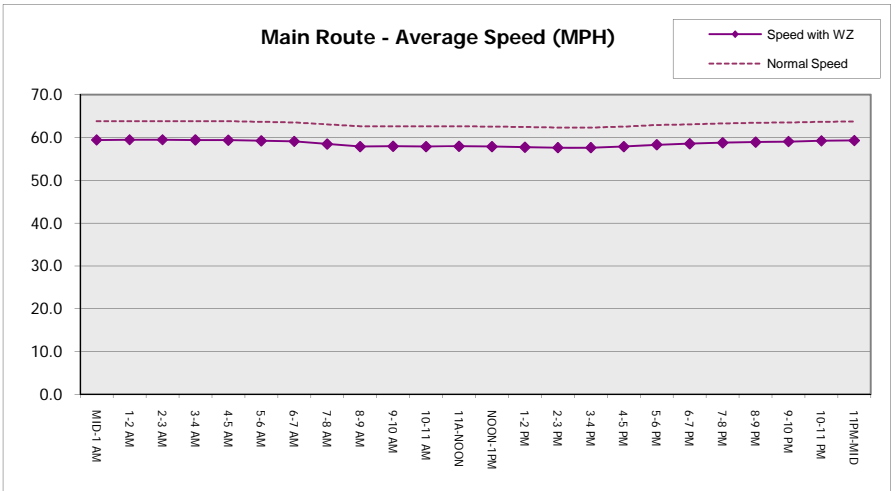
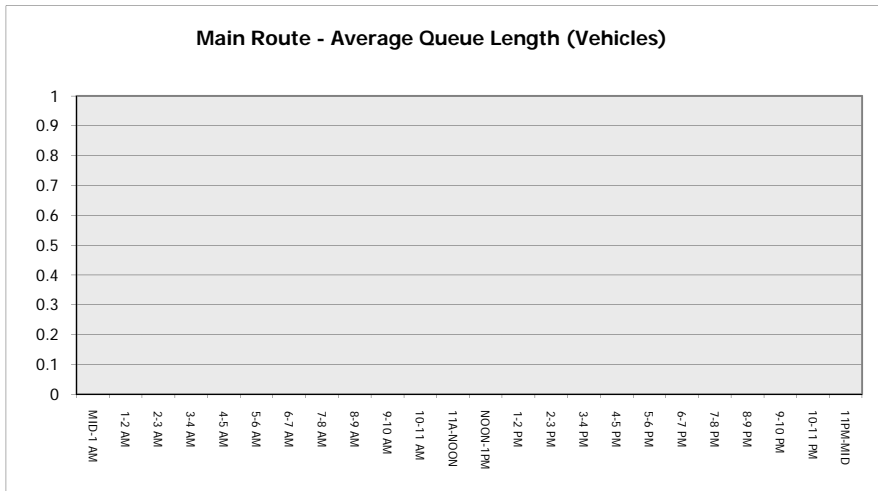
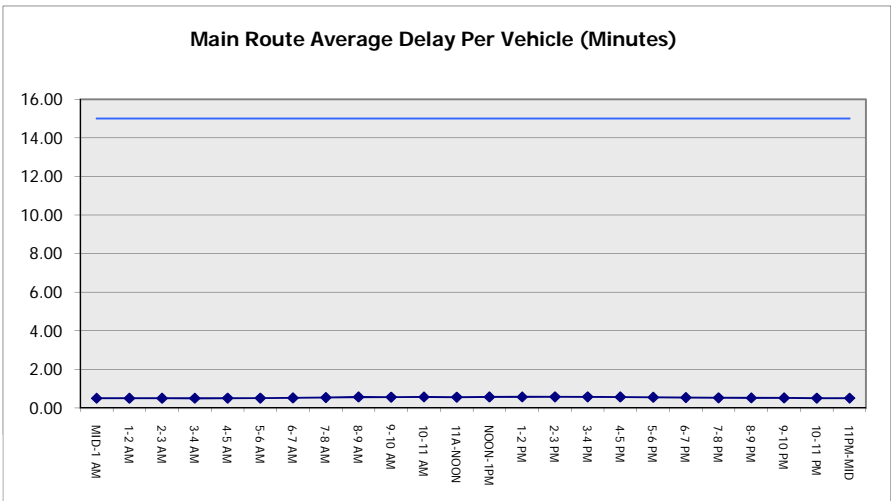
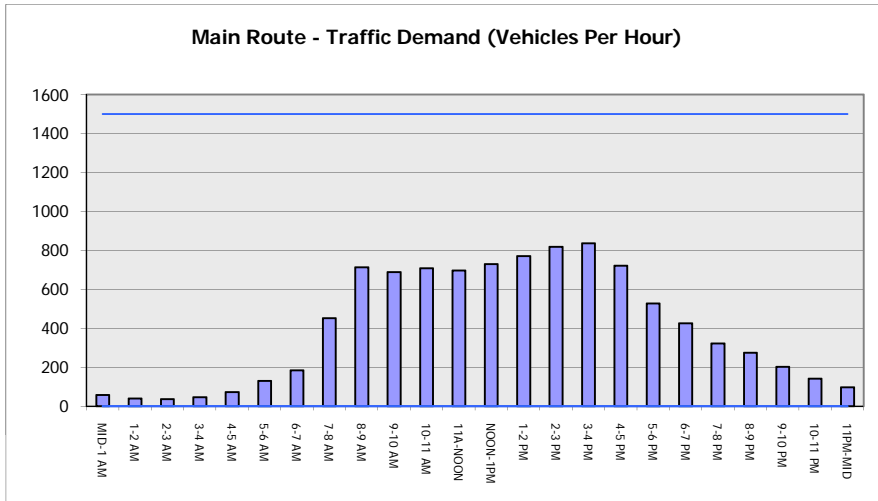
*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH G - CTH S

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



USH 151: CTH G TO CTH S (DODGE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH G - CTH S	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	72	0.0	4	0.0	1500	72	0	4	0.51	0	63.8	59.4	41.7	24.8	24.8
1-2 AM	47	0.0	3	0.0	1500	47	0	3	0.50	0	63.8	59.4	41.9	24.8	24.8
2-3 AM	49	0.0	3	0.0	1500	49	0	3	0.50	0	63.8	59.4	41.9	24.8	24.8
3-4 AM	46	0.0	3	0.0	1500	46	0	3	0.50	0	63.8	59.4	41.9	24.8	24.8
4-5 AM	47	0.0	3	0.0	1500	47	0	3	0.50	0	63.8	59.4	41.9	24.8	24.8
5-6 AM	94	0.0	6	0.0	1500	94	0	6	0.51	0	63.7	59.4	41.7	24.8	24.8
6-7 AM	157	0.0	11	0.0	1500	157	0	11	0.51	0	63.6	59.2	41.4	24.8	24.8
7-8 AM	282	0.0	18	0.0	1500	282	0	18	0.53	0	63.4	58.9	41.0	24.7	24.7
8-9 AM	478	0.0	31	0.0	1500	478	0	31	0.54	0	63.0	58.4	40.4	24.6	24.6
9-10 AM	617	0.0	41	0.0	1500	617	0	41	0.56	0	62.7	58.1	39.9	24.5	24.5
10-11 AM	723	0.0	47	0.0	1500	723	0	47	0.57	0	62.5	57.9	39.6	24.5	24.5
11A-NOON	686	0.0	45	0.0	1500	686	0	45	0.56	0	62.6	57.9	39.7	24.5	24.5
NOON-1PM	659	0.0	43	0.0	1500	659	0	43	0.56	0	62.7	58.0	39.8	24.5	24.5
1-2 PM	604	0.0	40	0.0	1500	604	0	40	0.56	0	62.8	58.1	39.9	24.5	24.5
2-3 PM	657	0.0	43	0.0	1500	657	0	43	0.56	0	62.7	58.0	39.8	24.5	24.5
3-4 PM	770	0.0	51	0.0	1500	770	0	51	0.57	0	62.5	57.8	39.4	24.5	24.5
4-5 PM	739	0.0	49	0.0	1500	739	0	49	0.57	0	62.5	57.8	39.6	24.5	24.5
5-6 PM	618	0.0	41	0.0	1500	618	0	41	0.56	0	62.7	58.1	39.9	24.5	24.5
6-7 PM	500	0.0	32	0.0	1500	500	0	32	0.55	0	63.0	58.4	40.3	24.6	24.6
7-8 PM	406	0.0	27	0.0	1500	406	0	27	0.54	0	63.2	58.6	40.6	24.7	24.7
8-9 PM	329	0.0	22	0.0	1500	329	0	22	0.53	0	63.3	58.8	40.9	24.7	24.7
9-10 PM	277	0.0	18	0.0	1500	277	0	18	0.53	0	63.4	58.9	41.0	24.7	24.7
10-11 PM	361	0.0	24	0.0	1500	361	0	24	0.53	0	63.2	58.7	40.7	24.7	24.7
11PM-MID	426	0.0	28	0.0	1500	426	0	28	0.54	0	63.1	58.6	40.6	24.7	24.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0116
MAIN ROUTE WITH WORKS	0.0126
DIVERSION	0.0063

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,365
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY NORTHBOUND DIRECTION

